

Mathultracaligraphic:

$$\mathcal{H}$$

Mathcal:

$$\mathcal{H}$$

Mathbf:

$$\mathbf{A} \rightarrow \mathbf{a}$$

Mathblackboard:

$$\mathbb{H}$$

$$\overset{f}{\rightarrow} \overset{\circ}{\twoheadrightarrow} \lim$$